Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/06/2020 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123655	-2	2.51	123746	2.53
Blue	F	SSC	125000	123599	-2	2.02	124270	2.06
Blue	E	FITC	15892	15315	-4	2.87	333	20.91
Blue	D	PE	29999	29042	-4	2.07	634	15.66
Blue	B	PerCP-Cy5-5	43732	43278	-2	3.78	1154	21.05
Blue	A	PE-Cy7	30845	30502	-2	6.37	581	42.52
Red	C	APC	46112	45123	-3	2.58	1590	12.66
Red	A	APC-Cy7	30458	29229	-5	2.50	773	12.22
Violet	B	V450	7918	7620	-4	4.38	435	12.86
Violet	A	V500	32171	31751	-2	4.16	744	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16949	12.52	634	13	N/A	N/A	Pass
Blue	F	SSC	56937	1.49	575	16	N/A	N/A	Pass
Blue	E	FITC	59	67.07	549	6	0.0182	125	Pass
Blue	D	PE	132	51.01	555	7	0.1317	214	Pass
Blue	B	PerCP-Cy5-5	212	50.75	662	6	0.0084	31	Pass
Blue	A	PE-Cy7	106	106.75	707	9	0.0101	18	Pass
Red	C	APC	379	25.86	592	8	0.0218	85	Pass
Red	A	APC-Cy7	171	29.65	562	6	0.0054	1132	Pass
Violet	B	V450	65	58.41	463	5	0.0525	1979	Pass
Violet	A	V500	110	32.06	479	5	0.0255	712	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.84	-32.17	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	15.43	13.60 - 20.40	N/A	N/A	29.44	30.09	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9529

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments